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(54) Title: SEED-COAT PROMOTERS, GENES AND GENE PRODUCTS

(57) Abstract

The present invention is directed to isolated genomic sequences that are differentially expressed within seed-coat tissues. These DNAs are expressed within the inner integument, thick, or thin, walled parenchyma, endothelium, palisade, hourglass, or stellate parenchyma cells of the seed-coat. Furthermore, this invention relates to promoter regions obtained from genomic sequences that are differentially expressed in seed-coat tissues, and their use for directing seed-coat specific expression of genes of interest within transformed plant cells or plants. Exemplified promoters include those obtained from the differential screening of a seed-coat library and cryptic promoters obtained using T-DNA tagging using a promoterless marker gene.